

Genomic Sciences Program - List of Awards
Systems Biology Enabled Research on the Roles of Microbiomes in Nutrient Cycling Processes
Funding Opportunity Number: DE-FOA-00002059

Title	Lead PI	Institution	Location
Biogeochemical consequences of microbial evolution under drought	Allison, Steven	Regents of the University of California, Irvine	Irvine, CA
Biogeochemical consequences of microbial evolution under drought	Brodie, Eoin	<u>Collaborating Lab:</u> Lawrence Berkeley National Lab	Berkeley, CA
Molecular mechanisms of mycorrhizal-decomposer interactions and impacts on terrestrial biogeochemistry	Bhatnagar, Jennifer	Trustees of Boston University	Boston, MA
Using a systems biology approach to describe the role of dissimilatory phosphite oxidation in the global phosphorus cycle	Coates, John	The Regents of University of California, Berkeley	Berkeley, CA
Cross-Kingdom Interactions: the Foundation for Nutrient Cycling in Grassland Soils	Firestone, Mary	The Regents of University of California, Berkeley	Berkeley, CA
Cross-Kingdom Interactions: the Foundation for Nutrient Cycling in Grassland Soils	Pett-Ridge, Jennifer	<u>Collaborating Lab:</u> Lawrence Livermore National Lab	Livermore, CA
Cross-Kingdom Interactions: the Foundation for Nutrient Cycling in Grassland Soils	Ceja-Navarro, Javier	<u>Collaborating Lab:</u> Lawrence Berkeley National Lab	Berkeley, CA
From viruses to protists: temperature response of the neglected components of microbial controls on peatland nutrient cycling	Gibert, Jean	Duke University	Durham, NC
From viruses to protists: temperature response of the neglected components of microbial controls on peatland nutrient cycling	Weston, David	<u>Collaborating Lab:</u> Oak Ridge National Lab	Oak Ridge, TN
The GREEN 'omics of Nutrient Feedbacks to Soil Warming	Hungate, Bruce	Northern Arizona University	Flagstaff, AZ
The GREEN 'omics of Nutrient Feedbacks to Soil Warming	Pett-Ridge, Jennifer	<u>Collaborating Lab:</u> Lawrence Livermore National Lab	Livermore, CA
The GREEN 'omics of Nutrient Feedbacks to Soil Warming	Hofmockel, Kirsten	<u>Collaborating Lab:</u> Pacific Northwest National Lab	Richland, WA
Using culture-independent methods to link active compound- specific carbon degradation to greenhouse gas production and recycling in natural populations of permafrost microbes	Lloyd, Karen	The University of Tennessee	Knoxville, TN
Using culture-independent methods to link active compound- specific carbon degradation to greenhouse gas production and recycling in natural populations of permafrost microbes	Hettich, Robert	<u>Collaborating Lab:</u> Oak Ridge National Lab	Oak Ridge, TN
Using culture-independent methods to link active compound- specific carbon degradation to greenhouse gas production and recycling in natural populations of permafrost microbes	Cliff, John	<u>Collaborating Lab:</u> Pacific Northwest National Lab	Richland, WA
Cell to Ecosystem: Understanding methane and associated nutrient cycling by sediment hosted syntrophic consortia and their viral predators	Orphan, Victoria	California Institute of Technology	Pasadena, CA
Cell to Ecosystem: Understanding methane and associated nutrient cycling by sediment hosted syntrophic consortia and their viral predators	Henry, Christopher	<u>Collaborating Lab:</u> Argonne National Lab	Lemont, IL

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Cell to Ecosystem: Understanding methane and associated nutrient cycling by sediment hosted syntrophic consortia and their viral predators	Hettich, Robert	<u>Collaborating Lab:</u> Oak Ridge National Lab	Oak Ridge, TN
Microbial Competition for Copper: Impacts on Carbon and Nitrogen Cycling	Semrau, Jeremy	Regents of the University of Michigan	Ann Arbor, MI
Virus in soils: Key modulators of microbiomes and nutrient cycling?	Sullivan, Matthew	The Ohio State University	Columbus, OH
Virus in soils: Key modulators of microbiomes and nutrient cycling?	Mutalik, Vivek	<u>Collaborating Lab:</u> Lawrence Berkeley National Lab	Berkeley, CA
Corrinoids as model nutrients to probe microbial interactions in a soil ecosystem	Taga, Michiko	The Regents of University of California, Berkeley	Berkeley, CA
Dissection of Carbon and Nitrogen Cycling in Post-Fire Soil Environments using a Genome-Informed Experimental Community	Whitman, Thea	Board of Regents of the University of Wisconsin System, operating as University of Wisconsin- Madison	Madison, WI
Dissection of Carbon and Nitrogen Cycling in Post-Fire Soil Environments using a Genome-Informed Experimental Community	Grigoriev, Igor	<u>Collaborating Lab:</u> Lawrence Berkeley National Lab	Berkeley, CA
Integrating single-cell wetland microbiome structure, function, and activity to ecosystem-scale biogeochemical fluxes	Winkler, Mari	University of Washington	Seattle, WA
Integrating single-cell wetland microbiome structure, function, and activity to ecosystem-scale biogeochemical fluxes	Mayali, Xavier	<u>Collaborating Lab:</u> Lawrence Livermore National Lab	Livermore, CA